

SECTION 1: Identification of the substance/mixture and of the company**Product Identifier**

Product Name: PowerSorb™ 120
Chemical Name: 2,4-Di-tert-butylphenyl 3,5-di-tert-butyl-4-hydroxybenzoate
CAS-No.: 4221-80-1

Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified For industrial use

Details of the supplier of the safety data sheet

Company Tintoll Performance Materials Co.,Ltd.
A-703, No. 50 Jialingjiang East St, Nanjing, China
Email: SDS@ Tintoll.com

Emergency Telephone Number: +86-25-8468-0091

SECTION 2: Hazardous identification**Classification of the substance or mixture**

The substance is not classified according to the Globally Harmonized System (GHS).

Label elements

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Classification system:**NFPA ratings(scale 0-4)**

Health=1

Fire=1

Reactivity=0

HMIS ratings(scale 0-4)

Health=1

Fire=1

Reactivity=0

Other hazards**Results of PBT and vPvB assessment**

PBT: Not determined

vPvB: Not determined

SECTION 3: Composition/information on ingredients**Chemical characterization: Substances****CAS No. Description**

4221-80-1 2,4-Di-tert-butylphenyl 3,5-di-tert-butyl-4-hydroxybenzoate

Identification number(s)

EC number: 224-166-0

SECTION 4: First aid measures**Description of first aid measures****General information**

Take affected persons out of danger area and lay down.

After inhaled

Supply fresh air; consult doctor in case of complaints.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowed

Rinse out mouth and then drink plenty of water.

If symptoms persist, consult a doctor.

Information for doctor**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: Water with full jet**Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide

Carbon dioxide

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear protective clothing.

Avoid formation of dust.

Keep away from ignition sources.

Environmental precautions

Do not allow to enter sewers/surface or ground water.

Methods and materials for containment and cleaning up

Pick up mechanically.

Dispose of the collected material according to regulations.

Reference to other sections

No dangerous substances are released.

SECTION 7: Handling and storage

Handling:

Precautions for safe handling

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires:

Dust can combine with air to form an explosive mixture.

Keep ignition sources away- Do not smoke.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacle:

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure Controls/Personal Protection**Control parameters****Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Occupational Exposure Limit Values for possible hazards during processing:

PEL: 15*5**mg/m³

*total dust **respirable fraction

REL: 10*5**mg/m³

*total dust **respirable fraction

TLV- 10 mg/m³

Dust Value

Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Not necessary if room is well-ventilated.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber; BR

Nitrile rubber, NBR

PVC gloves

The selection of the suitable gloves does not only depend and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the observed.

Eye protection: Safety glasses

Body protection: Protective work clothing

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Powder
Color:	Colorless Yellowish
Odor:	Odorless
Change in condition	
Melting point/Melting range:	194-197° C (381-387° F)
Boiling point/Boiling range:	Not determined
Flash point:	Not applicable
Flammability (solid, gaseous):	Product is not flammable.
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Auto igniting:	Not determined
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Oxidizing properties	No
Vapor pressure:	Not applicable
Density at 20° C (68 ° F):	1.06 g/cm ³ (8.846 lbs/gal)
Relative density	Not determined
Vapor density	Not applicable
Evaporation rate	Not applicable
Solubility in /Miscibility with	
Water at 20 °C (68 °F):	<0.1 g/L
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	
Dynamic:	Not applicable
Kinematics:	Not applicable

Other information

No further relevant information available.

SECTION 10: Stability And Reactivity**Reactivity****Chemical stability**

Thermal decomposition /conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.

Risk of dust explosion.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological Information**Information on toxicological effects****Acute toxicity****LD/LC50 values that are relevant for classification**

Oral LD50 > 2,000 mg/kg (Rat)

Primary irritant effect:

On the skin: No irritant effect.

On the eye: No irritating effect

Sensitization: No sensitizing effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification.

Carcinogenic categories

IARC (International Agency for Research on Cancer) Substance is not listed.

NTP (National Toxicology Program) Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

SECTION 12: Ecological Effects**Toxicity**

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

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Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not determined

vPvB: Not determined

Other adverse effects

No.further relevant information available.

SECTION 13: Disposal considerations

Waste treatment methods

Recommendation: Must be specially treated adhering to official regulations.

Uncleaned packagings

Recommendation: Disposal must be made according to Official regulations.

SECTION 14: Transport Information

UN number

DOT, ADR, RID, ADN, IMDG, IATA Void

UN proper shipping name

DOT, ADR, RID, ADN, IMDG, IATA Void

Transport hazard class(es)

DOT, ADR, RID, ADN, IMDG, IATA

Class

Void

Packaging group

DOT, ADR, RID, ADN, IMDG, IATA Void

Environmental hazards

Marine pollutant: No

Special precautions for user Not applicable.

Transport in bulk according to Annex II of

MARPOL 73/78 and the IBC Code: Not applicable

Transport/Additional information: Not dangerous according to the above specifications.



UN "Model Regulation ":

SECTION 15:Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

Chemical Safety Assessment

no data available

SECTION 16:Other Information

Any other precaution

The information herein is made based on references, information and data available at present. It maybe revised when new information is available. The descriptions herein are for normal handling. For special application , make safety provisions suitable to them prior to use.